Connecting via Winsock to STN

```
Welcome to STN International! Enter x:x
```

LOGINID: SSPTAJRK1626

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

```
Welcome to STN International
* * * * * * * * *
                 Web Page URLs for STN Seminar Schedule - N. America
NEWS 1
                 "Ask CAS" for self-help around the clock
NEWS 2
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/Caplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
         MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and
NEWS 7
                 USPATFULL/USPAT2
                 The F-Term thesaurus is now available in CA/CAplus
         MAY 30
NEWS 8
NEWS
     9
         JUN 02
                 The first reclassification of IPC codes now complete in
                 INPADOC
                 TULSA/TULSA2 reloaded and enhanced with new search and
         JUN 26
NEWS 10
                 and display fields
                 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 11 JUN 28
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUl 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
         AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 17
         SEP 11 CA/CAplus enhanced with more pre-1907 records
NEWS 18
         SEP 21 CA/CAplus fields enhanced with simultaneous left and right
NEWS 19
                 truncation
                 CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 20 SEP 25
                 CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 21 SEP 25
                 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 22 SEP 25
NEWS 23 SEP 28 CEABA-VTB classification code fields reloaded with new
                 classification scheme
             JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
 NEWS EXPRESS
```

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

```
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8
NEWS X25 X.25 communication option no longer available
```

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation

of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 12:07:12 ON 10 OCT 2006

=> file reg

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 12:07:23 ON 10 OCT 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 OCT 2006 HIGHEST RN 910025-51-3 DICTIONARY FILE UPDATES: 9 OCT 2006 HIGHEST RN 910025-51-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

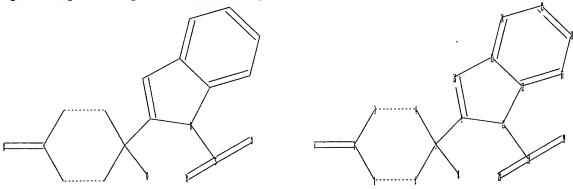
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> Uploading C:\Program Files\Stnexp\Queries\10539451\Struc 1.str



chain nodes : 7 8 18 19 20 ring nodes :

1 2 3 4 5 6 9 10 11 12 13 14 15 16 17

chain bonds :

2-7 5-8 5-9 13-18 18-19 18-20

10539451.trn

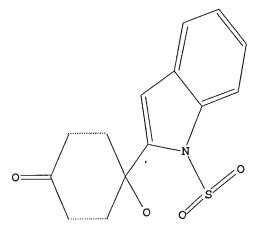
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-13 10-11 11-12 11-14 12-13 12-17 14-15
15-16 16-17
exact/norm bonds :
1-2 1-6 2-3 2-7 3-4 4-5 5-6 5-8 9-10 9-13 10-11 12-13 13-18 18-19
18-20
exact bonds :
5-9
normalized bonds :
11-12 11-14 12-17 14-15 15-16 16-17

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:CLASS 19:CLASS 20:CLASS

L1 STRUCTURE UPLOADED

=> d L1 HAS NO ANSWERS L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> 11

SAMPLE SEARCH INITIATED 12:07:38 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 42 TO ITERATE

100.0% PROCESSED 42 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE** BATCH **COMPLETE** PROJECTED ITERATIONS: 452 TO 1228 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> 11 full

FULL SEARCH INITIATED 12:07:41 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED -811 TO ITERATE

14 ANSWERS 100.0% PROCESSED 811 ITERATIONS

SEARCH TIME: 00.00.01

L3 14 SEA SSS FUL L1

=> file medline caplus

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION 166.94 167.15

FULL ESTIMATED COST

FILE 'MEDLINE' ENTERED AT 12:08:00 ON 10 OCT 2006

FILE 'CAPLUS' ENTERED AT 12:08:00 ON 10 OCT 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> 13

4 L3 T.4

=> dup rem 14

PROCESSING COMPLETED FOR L4

4 DUP REM L4 (0 DUPLICATES REMOVED) 1.5

=> d ibib abs hitstr 1-4

ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

2006:565548 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 145:224440

Antitumor quinols: Role of glutathione in modulating TITLE:

quinol-induced apoptosis and identification of

putative cellular protein targets

Chew, Eng-Hui; Matthews, Charles S.; Zhang, Jihong; AUTHOR (S):

McCarroll, Andrew J.; Hagen, Thilo; Stevens, Malcolm

F. G.; Westwell, Andrew D.; Bradshaw, Tracey D.

Centre for Biomolecular Sciences, School of Pharmacy, CORPORATE SOURCE:

University of Nottingham, Nottingham, UK

Biochemical and Biophysical Research Communications SOURCE:

(2006), 346(1), 242-251

CODEN: BBRCA9; ISSN: 0006-291X

PUBLISHER: Elsevier DOCUMENT TYPE: Journal LANGUAGE: English

Novel heteroarom. quinols 4-(benzothiazol-2-yl)-4-hydroxycyclohexa-2,5dienone (1) and 4-(1-benzenesulfonyl-1H-indol-2-yl)-4-hydroxycyclohexa-2,5dienone (2) are promising novel anticancer agents. They exhibit in vitro antiproliferative activity against colon, renal, and breast carcinoma cell lines as well as in vivo antitumor activity in colon, renal, and breast tumor xenografts. Elucidation of the mechanism of antitumor action of these compds. is of great importance. We show in this study that the compds. induced apoptosis as demonstrated by caspase 3 and PARP cleavage at doses causing G2/M cell cycle arrest. Glutathione was found to play an important role in modulating quinol-mediated cytotoxicity. In HCT 116 cells, treatment with 1 and 2 caused a 2- to 3-fold increase in the total glutathione content, suggestive of a glutathione-mediated antioxidant response. Indeed, buthionine sulfoximine (BSO)-induced glutathione

IT

CN

depleted cells were 6-10 times more sensitive to 1 and 2, while glutathione monoethyl ester supplementation decreased the antitumor potencies by 2-3 times. In further studies we determined other cellular proteins which bind to an immobilized quinol analog, and identified several proteins including β -tubulin, heat shock protein 60, and peroxiredoxin 1 as potential mol. targets of quinols that may contribute to their proapoptotic and antiproliferative effects. 719308-90-4

RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(antitumor quinols and role of glutathione in modulating quinol-induced apoptosis and identification of putative cellular protein targets)

RN 719308-90-4 CAPLUS

1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-(phenylsulfonyl)-(9CI) (CA INDEX NAME)

THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS REFERENCE COUNT: 25 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN L5

2005:375723 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 143:38034

Elucidation of thioredoxin as a molecular target for TITLE:

antitumor quinols

AUTHOR (S):

Bradshaw, Tracey D.; Matthews, Charles S.; Cookson, Jennifer; Chew, Eng-Hui; Shah, Manish; Bailey, Kevin; Monks, Anne; Harris, Erik; Westwell, Andrew D.; Wells, Geoffrey; Laughton, Charles A.; Stevens, Malcolm F. G. Centre for Biomolecular Sciences, School of Pharmacy,

CORPORATE SOURCE: University of Nottingham, UK

Cancer Research (2005), 65(9), 3911-3919 SOURCE:

CODEN: CNREA8; ISSN: 0008-5472

American Association for Cancer Research PUBLISHER:

DOCUMENT TYPE: Journal LANGUAGE: English

Heteroarom. quinols 4-(benzothiazol-2-yl)-4-hydroxycyclohexa-2,5-dienone (1) and 4-(1-benzenesulfonyl-1H-indol-2-yl)-4-hydroxycyclohexa-2,5-dienone (2) exhibit potent and selective antitumor activity against colon, renal, and breast carcinoma cell lines in vitro (GI50 < 500 nmol/L). In vivo growth inhibition of renal, colon, and breast xenografts has been observed Profound G2-M cell cycle block accompanied down-regulation of cdk1 gene transcription was corroborated by decreased CDK1 protein expression following treatment of HCT 116 cells with growth inhibitory concns. of 1 or 2. The chemical structure of the quinol pharmacophore 4-(hydroxycyclohexa-2,5-dienone) suggested that these novel agents would readily react with nucleophiles in a double Michael (β-carbon) addition Indeed, COMPARE anal. within the National Cancer Institute database revealed a number of chemical related quinone derivs. that could potentially react with sulfur nucleophiles in a similar manner and suggested that

CN

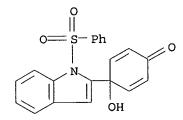
thioredoxin/thioredoxin reductase signal transduction could be a putative target. Mol. modeling predicted covalent irreversible binding between quinol analogs and cysteine residues 32 and 35 of thioredoxin, thereby inhibiting enzyme activity. Binding has been confirmed, via mass spectrometry, between reduced human thioredoxin and I. Microarray analyses of untreated HCT 116 cells and those exposed to either 1 (1 μ mol/L) or 2 (500 nmol/L and 1 μ mol/L) determined that of \geq 10,000 cancer-related genes, expression of thioredoxin reductase was up-regulated >3-fold. Furthermore, quinols 1 and 2 inhibited insulin reduction, catalyzed by thioredoxin/thioredoxin reductase signaling in a dose-dependent manner (IC50 < 6 μ mol/L). Results are consistent with a mechanism of action of novel antitumor quinols involving inhibition of the small redox protein thioredoxin.

719308-90-4 TT

RL: DMA (Drug mechanism of action); PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses) (elucidation of thioredoxin as mol. target for antitumor quinols)

719308-90-4 CAPLUS RN

1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-(phenylsulfonyl)-(9CI) (CA INDEX NAME)



THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS 25 REFERENCE COUNT: RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN L5

2004:1142024 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 142:219117

Ouinols as Novel Therapeutic Agents. 2. TITLE:

4-(1-Arylsulfonylindol-2-yl)-4-hydroxycyclohexa-2,5dien-1-ones and Related Agents as Potent and Selective

Antitumor Agents

Berry, Jane M.; Bradshaw, Tracey D.; Fichtner, Iduna; AUTHOR (S):

Ren, Ruobo; Schwalbe, Carl H.; Wells, Geoffrey; Chew, Eng-Hui; Stevens, Malcolm F. G.; Westwell, Andrew D.

Cancer Research U.K. Experimental Cancer Chemotherapy CORPORATE SOURCE:

Research Group, Centre for Biomolecular Sciences,

School of Pharmacy, University of Nottingham,

Nottingham, NG7 2RD, UK Journal of Medicinal Chemistry (2005), 48(2), 639-644 SOURCE:

CODEN: JMCMAR; ISSN: 0022-2623

PUBLISHER: American Chemical Society

Journal DOCUMENT TYPE: English LANGUAGE:

CASREACT 142:219117 OTHER SOURCE(S):

GI

A series of substituted 4-(1-arylsulfonylindol-2-yl)-4-hydroxycyclohexa-AB 2,5-dien-1-ones (indolylquinols) I (R = H, 5-OMe, 5-F, 6-F; R1 = H, 4-Me, 4-OMe, 2,4,6-triisopropyl) was synthesized on the basis of the discovery of lead compound I (R = R1 = H) and screened for antitumor activity. I was synthesized via the "one-pot" addition of lithiated (arylsulfonyl) indoles II to 4,4-dimethoxycyclohexa-2,5-dienone followed by deprotection under acidic conditions. Similar methodol. gave rise to the related naphtho-substituted quinols III (R1 = H, Me), 1H-indole- and benzimidazole-substituted quinols IV (X = CH, N). A number of compds. in this new series were found to possess in vitro human tumor cell line activity substantially more potent than the recently reported antitumor 4-substituted 4-hydroxycyclohexa-2,5-dien-1-ones with similar patterns of selectivity against colon, renal, and breast cell lines. I (R = 6-F, R1 = H), the most potent compound in the series in vitro, exhibited a mean GI50 = 16 nM and a mean LC50 = 2.24 μM in the NCI 60-cell-line screen, with LC50 activity in the HCT 116 human colon cancer cell line below 10 nM. The crystal structure of the unsubstituted indolylquinol I (R = R1 = H)exhibited two independent mols., both participating in intermol. hydrogen bonds from quinol OH to carbonyl O, but one OH group also interacts intramolecularly with a sulfonyl O atom. This interaction, which strengthens upon ab initio optimization, may influence the chemical environment of the bioactive quinol moiety. In vivo, significant antitumor activity was recorded (day 28) in mice bearing s.c. implanted MDA-MB-435 xenografts, following i.p. treatment of mice with I (R = R1 =H) at 50 mg/kg.

719308-90-4P IT

> RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) (crystal structure; preparation and biol. activity of (arylsulfonylindolyl) hydroxycyclohexadienones as selective and potent

antitumor agents)

719308-90-4 CAPLUS RN

1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-(phenylsulfonyl)-CN (CA INDEX NAME)

RN 719308-92-6 CAPLUS
CN 1H-Indole, 5-fluoro-2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1(phenylsulfonyl)- (9CI) (CA INDEX NAME)

RN 719308-93-7 CAPLUS
CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 719308-94-8 CAPLUS

CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 719308-95-9 CAPLUS

CN 1H-Indole, 1-[(4-fluorophenyl)sulfonyl]-2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)- (9CI) (CA INDEX NAME)

RN 719308-96-0 CAPLUS

CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-(2-naphthalenylsulfonyl)- (9CI) (CA INDEX NAME)

RN 719308-98-2 CAPLUS

CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-[[2,4,6-tris(1-methylethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

RN 719308-99-3 CAPLUS

CN 1H-Indole, 2-(1,4-dihydro-1-hydroxy-4-oxo-1-naphthalenyl)-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

RN 719309-00-9 CAPLUS

CN 1H-Indole, 2-(1,4-dihydro-1-hydroxy-4-oxo-1-naphthalenyl)-1-[(4-

methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 840474-95-5 CAPLUS

CN 1H-Indole, 6-fluoro-2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

REFERENCE COUNT:

THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

15

ACCESSION NUMBER: 2004:550875 CAPLUS

DOCUMENT NUMBER:

141:106370

TITLE:

Preparation of 4-[1-(sulfonyl)-1H-indol-2-yl]-4-

(hydroxy)-cyclohexa-2,5-dienone compounds and analogs

thereof as therapeutic agents

INVENTOR(S):

Stevens, Malcolm Francis Graham; Westwell, Andrew David; Poole, Tracey Dawn; Wells, Geoffrey; Berry,

Jane Marie

PATENT ASSIGNEE(S):

Cancer Research Technology Limited, UK

SOURCE:

PCT Int. Appl., 141 pp. CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.				KIND		DATE		APPLICATION NO.					DATE			
WO 2004056361			A1		20040708		WO 2002-GB5842						20021220			
W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
															GE,	
	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KΡ,	KR,	ΚZ,	LC,	LK,	LR,
	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	ΝZ,	OM,	PH,
	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	ΤJ,	TM,	TN,	TR,	TT,	TZ,
	TΤΔ	TIC	TIC	117	VC	W	VII	7.A	7.M	7.W						

```
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
      CA 2508275
                                           20040708
                                                           CA 2002-2508275
                                                                                           20021220
                                   AA
      AU 2002353193
                                           20040714
                                                           AU 2002-353193
                                                                                           20021220
                                   Al
                                           20050914
                                                           EP 2002-788211
                                                                                           20021220
      EP 1572197
                                   A1
                 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                                      FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
                 IE, SI, LT, LV,
      BR 2002015986
                                   Α
                                           20051101
                                                           BR 2002-15986
                                                                                           20021220
                                                           CN 2002-830081
                                                                                           20021220
      CN 1717233
                                   Α
                                           20060104
                                           20060413
                                                            JP 2004-561588
                                                                                           20021220
      JP 2006512351
                                   T2
                                                            US 2005-539451
                                                                                           20050620
      US 2006100265
                                   A1
                                           20060511
PRIORITY APPLN. INFO.:
                                                           WO 2002-GB5842
                                                                                           20021220
                                 MARPAT 141:106370
OTHER SOURCE(S):
GI
```

This invention pertains to certain 4-(1-(sulfonyl)-1H-indol-2-yl)-4-AB (hydroxy)-cyclohexa-2,5-dienone compds., and analogs thereof, including compds. of the formula I [wherein Ar = 1-(sulfonyl)-1H-indol-2-yl; the bond marked α is a single bond or a double bond; the bond marked β is a single bond or a double bond; OR1 = OH, ether group (e.g., OMe) or acyloxy (i.e., reverse ester) group (e.g., -OC(O)Me); R2, R3, R5, R6 = H, monovalent monodentate substituent or a ring substituent which, together with an adjacent ring substituent, and together with the ring atoms to which these ring substituents are attached, form a fused ring; and pharmaceutically acceptable salts, esters, amides, solvates, hydrates, and protected forms thereof] which are, inter alia, antiproliferative agents, anticancer agents, and/or thioredoxin/thioredoxin reductase inhibitors. Syntheses of 11 representative compds. I are described. Thus, reacting 4,4-dimethoxycyclohexa-2,5-dienone (preparation given) with 1-benzenesulfonyl-1H-indole afforded 18% II 4-(1-benzenesulfonyl-1H-indol-2-yl)-4-hydroxycyclohexa-2,5-dienone which showed IC50 of 0.086 μM and 0.259 µM against HCT 116 and HT 29 growth (in vitro), resp. The present invention also pertains to pharmaceutical compns. comprising compds. I, and the use of such compds. I and compns., both in vitro and in vivo, for example, in the treatment of proliferative conditions, (e.g., cancer), and/or conditions mediated by thioredoxin/thioredoxin reductase. 719308-90-4P 719308-91-5P 719308-92-6P IT 719308-93-7P 719308-94-8P 719308-95-9P 719308-96-0P 719308-97-1P 719308-98-2P 719308-99-3P 719309-00-9P 719309-01-0P 719309-02-1P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES

RN 719308-91-5 CAPLUS
CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-5-methoxy-1(phenylsulfonyl)- (9CI) (CA INDEX NAME)

RN 719308-92-6 CAPLUS
CN 1H-Indole, 5-fluoro-2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1(phenylsulfonyl)- (9CI) (CA INDEX NAME)

RN 719308-93-7 CAPLUS
CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 719308-94-8 CAPLUS

CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-[(4-methoxyphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 719308-95-9 CAPLUS

CN 1H-Indole, 1-[(4-fluorophenyl)sulfonyl]-2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)- (9CI) (CA INDEX NAME)

RN 719308-96-0 CAPLUS

CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-(2-naphthalenylsulfonyl)- (9CI) (CA INDEX NAME)

RN 719308-97-1 CAPLUS

CN 1H-Indole, 5-fluoro-2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 719308-98-2 CAPLUS

CN 1H-Indole, 2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)-1-[[2,4,6-tris(1-methylethyl)phenyl]sulfonyl]- (9CI) (CA INDEX NAME)

RN 719308-99-3 CAPLUS

CN 1H-Indole, 2-(1,4-dihydro-1-hydroxy-4-oxo-1-naphthalenyl)-1-(phenylsulfonyl)- (9CI) (CA INDEX NAME)

RN 719309-00-9 CAPLUS
CN 1H-Indole, 2-(1,4-dihydro-1-hydroxy-4-oxo-1-naphthalenyl)-1-[(4-methylphenyl)sulfonyl]- (9CI) (CA INDEX NAME)

RN 719309-01-0 CAPLUS
CN 1H-Indole, 1-[[5-(dimethylamino)-1-naphthalenyl]sulfonyl]-2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)- (9CI) (CA INDEX NAME)

RN 719309-02-1 CAPLUS

CN 1H-Indole, 1-[[4-[3-(dimethylamino)propoxy]phenyl]sulfonyl]-2-(1-hydroxy-4-oxo-2,5-cyclohexadien-1-yl)- (9CI) (CA INDEX NAME)

4

REFERENCE COUNT:

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log h COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION 189.64 FULL ESTIMATED COST 22.49 TOTAL DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE SESSION ENTRY -3.00 -3.00 CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 12:10:00 ON 10 OCT 2006